prostate cancer

Diagnosis

- clinical
  - symp.
  - DRE
  - TRUS
    - wiz psa +ve
      - +ve >60%
- image
  - CT
  - MRI
    - bone pain
  - b-XR
    - ↑ALph
    - PSA
      - >10
      - >2 after surgery
  - LNgraphy
- lab.
  - histopath.
  - Markers

screening

- DRE
- PSA
  - N<4ng/ml
  - density
    - PSA/prostate vl.
      - suspecious
  - free/total
    - <20

managment

- Radical prostatectomy
  - complication
    - 14-41% +ve margins
    - 2-18% incontinence
    - 30-100% erectile dys.
    - <1% mortality
  - life exp. >15y
  - localized
- watchful waiting
  - >70 Yo
  - low stage
  - life exp. <10y
- radiation
  - confrontal
  - interstitial
- Endocrine
  - surgical castration
  - Medical
    - estrogen
    - LHRH
    - and. blockade
      - pure
      - steroidal
    - maximal and. blockade
      - combine 2

gleason score

- 8-10 poorly
- 7 controverse.
- 5-6 moderate
- 2-4 well

staging

- incidental
  - A1
    - T1a
      - <5%
  - A2
    - T1b
      - >5%
    - T1c
      - by needle biop.
- organ confined
  - B1
    - T2a
      - <half lobe
      - >half lobe< both
  - B2
    - T2b
  - B3
    - T2c
      - both lobes
- locally invasive
  - C1
    - T3a
      - uni. extracapsular
    - T3b
      - bi. extracapsular
  - C2
    - T3c
      - seminal vesicle
    - T4
      - adjacent structure
- disseminated
  - D1
    - N+
  - D2
    - M+
  - D3
    - resistant to hormone th.